

Converting Colors

CIELCh(85, 44.737, 211.369)

Have a look what the booklet for
CIELCh(85, 44.737, 211.369)
contains.

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Color

CIELCh(85, 44.798, 211.192)

Conversions

Conversions Part 1

Format	Color
Hex	12EAFF
RGB	18, 234, 255
RGB Percent	7%, 92%, 100%
CMY	0.9308, 0.0835, 0.0011
CMYK	0.93, 0.08, 0.00, 0.00
HSL	185°, 100%, 53%
HSV	185°, 93%, 100%
XYZ	47.5856, 66.0070, 104.5947
YIQ	171.8100, -135.4770, -39.2610

Conversions

Conversions Part 2

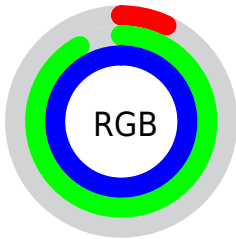
Format	Color
R _Y B	18, 131, 255
Decimal	1239807
CIE Lab	85.00, -38.32, -23.20
CIE LCh	85, 44.798, 211.192
Yxy	66.0070, 0.2181, 0.3025
Android (android.graphics.Color)	4279429887 (0xFF12EAFF)
YUV	171.8100, 41.0127, -134.8914
Hunter-Lab	81.2447, -37.6296, -19.4589

Details

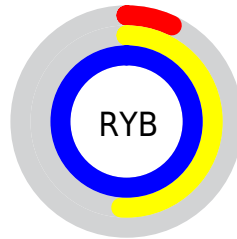
The CIELCh color **85, 44.798, 211.192** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **55, 98.867, 39.942**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **66, 36.851, 214.493** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.944, 212.265**, and if you desaturate by 10%, it is **86, 43.960, 209.867**.

Distribution



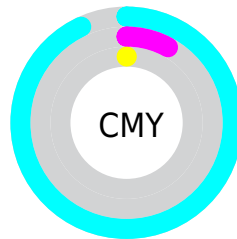
- Red (7%)
- Green (92%)
- Blue (100%)



- Red (7%)
- Yellow (51%)
- Blue (100%)



- Cyan (93%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (93%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 44.798, 211.192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 85, 44.798, 211.192 by changing the saturation by 10% instead.

 85, 44.798,
211.192


 85, 44.798,
211.192


 100, 44.798,
211.192


 75, 44.798,
211.192

 65, 44.798,
211.192

 55, 44.798,
211.192

 45, 44.798,
211.192

 35, 44.798,
211.192

 25, 44.798,
211.192

 15, 44.798,

211.192

■ 5, 44.798, 211.192

■ 0, 44.798, 211.192

■ 85, 44.798,
211.192

■ 85, 44.798,
211.192

■ 84, 44.944,
212.265

■ 86, 43.960,
209.867

■ 87, 42.128,
208.842

■ 88, 39.220,
208.089

■ 89, 35.236,
207.574

■ 91, 30.240,

207.263

■ 93, 24.336,
207.122

■ 95, 17.654,
207.126

■ 97, 10.328,
207.259

■ 99, 2.492, 207.657

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



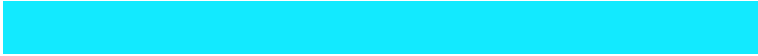
85, 44.798, 211.192



55, 98.867, 39.942

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 44.798, 211.192



85, 44.798, 261.192



85, 44.798, 31.192



85, 44.798, 81.192

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85, 44.797, 211.191



94, 21.054, 207.108



88, 115.634, 137.096



49, 14.283, 207.118



0, 0.000, 0.000



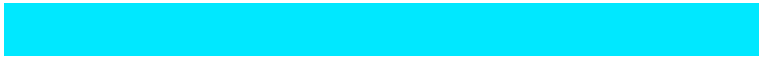
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 44.797, 211.191



85, 44.983, 212.266



52, 80.068, 289.250



52, 4.541, 207.343



65, 36.279, 211.962



22, 16.855, 209.890

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59, 106.802, 331.891



59, 107.661, 332.189



73, 80.602, 69.152



50, 8.524, 327.454



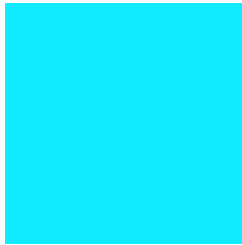
44, 86.820, 332.115



12, 40.277, 331.607

Previews

White Background



This preview shows how the CIE LCh color 85, 44.798, 211.192 looks on a white background.

Color Contrast Check

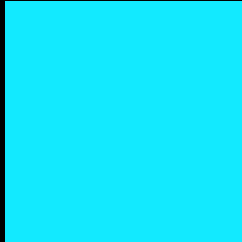
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 85, 44.798, 211.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

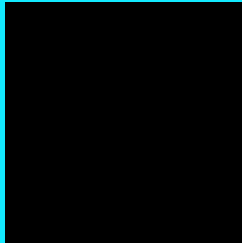
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 44.798, 211.192

Background



This preview shows how black text looks on a background with the CIELCh color 85, 44.798, 211.192.



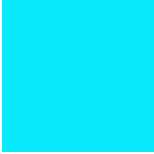
This preview shows how white text looks on a background with the CIELCh color 85, 44.798, 211.192.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



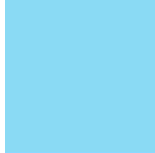


Tritanopia
85, 45.098, 209.657

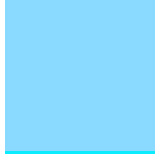
Trichromacy



Original Color
85, 44.829, 211.180



Protanomaly
83, 27.132, 228.718

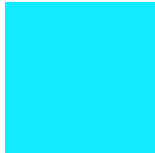


Deuteranomaly
83, 29.832, 240.943

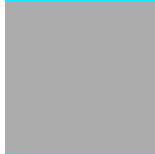


Tritanomaly
85, 45.008, 210.399

Monochromacy



Original Color
85, 44.829, 211.180



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 24.802, 207.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 44.798, 211.192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(18, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 234, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(18, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 234, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 44.798, 211.192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(18, 234, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(18, 234, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(18, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 234,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 44.798, 211.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 234, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(18, 234,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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